

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

340078.411

APPLICATION NO.

10/816,459

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANTS

John T. Mulligan et al.

FILING DATE

April 1, 2004

GROUP ART UNIT

1637

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
AG					
AH					
AI					

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AJ	Burdett, V. et al., "In vivo requirements for RecJ, ExoVII, ExoI, and ExoX in methyl-directed mismatch repair," <i>Proc. Natl. Acad. Sci. USA</i> 98(12): 6765-6770, June 5, 2001.
AK	Dao and Modrich, "Mismatch-, MutS-, MutL-, and Helicase II-dependent Unwinding from the Single-strand Break of an Incised Heteroduplex," <i>The Journal of Biological Chemistry</i> 273: 9202-9207, April 10, 1998.
AL	Ischenko and Saparbaev, "Alternative nucleotide incision repair pathway for oxidative DNA damage," <i>Nature</i> 415: 183-187, January 10, 2002.
AM	Lishanski, A. et al., "Mutation detection by mismatch binding protein, MutS, in amplified DNA: Application to the cystic fibrosis gene," <i>Proc. Natl. Acad. Sci. USA</i> 91: 2674-2678, March 1994.
AN	Pan and Weissman, "An approach for global scanning of single nucleotide variations," <i>Proc. Natl. Acad. Sci. USA</i> 99(14): 9346-9351, July 9, 2002.
AO	Schofield, M.J. et al., "The Phe-X-Glu DNA Binding Motif of MutS. The Role of Hydrogen Bonding in Mismatch Recognition," <i>The Journal of Biological Chemistry</i> 276(49): 45505-45508, December 7, 2001.

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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	BD						
	BE						
	BF						

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	BG					
	BH					
	BI					

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	BJ	Smith and Modrich, "Removal of polymerase-produced mutant sequences from PCR products," <i>Proc. Natl. Acad. Sci. USA</i> 94: 6847-6850, June 1997.
	BK	Viswanathan, M. et al., "Redundant Exonuclease Involvement in <i>Escherichia coli</i> Methyl-directed Mismatch Repair," <i>The Journal of Biological Chemistry</i> 276(33): 31053-31058, August 17, 2001.
	BL	Xiao and Oefner, "Denaturing High-Performance Liquid Chromatography: A Review," <i>Human Mutation</i> 17: 439-474, 2001.
	BM	Yamaguchi, M. et al., "MutS and MutL Activate DNA Helicase II in a Mismatch-dependent Manner," <i>The Journal of Biological Chemistry</i> 273(15): 9197-9201, April 10, 1998.
	BN	Yanagihara and Mizuuchi, "Mismatch-targeted transposition of Mu: A new strategy to map genetic polymorphism," <i>Proc. Natl. Acad. Sci.</i> 99(17): 11317-11321, August 20, 2002.
	BO	

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